ENVIRONMENTAL CHEMISTS

Date of Report: 10/31/05 Date Received: 10/20/05

Project: Metro Self Monitor Grab, PO# M-107130, F&BI 510196

Date Extracted: 10/27/05 Date Analyzed: 10/27/05

RESULTS FROM THE ANALYSIS OF WATER SAMPLE FOR TOTAL DISSOLVED METALS BY INDUCTIVELY COUPLED PLASMA MASS SPECTROSCOPY (ICP-MS)

(METHOD 200.8)

Results Reported as µg/L (ppb)

Sample ID Laboratory ID	$\frac{\mathbf{Cr}}{\mathbf{r}}$	<u>Cu</u>	<u>Ni</u>	<u>Zn</u>
M-107130 510196-01	390	390	440	<50
Method Blank	<25	<50	<50	<50

Cr Chromium
Cu Copper
Ni Nickel
Zn Zinc

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QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA MASS SPECTROSCOPY (METHOD 200.8)

Laboratory Code: 510253-01 (Duplicate)

			HANKI HAY	Kelative		1,500
	Reporting	Sample	Duplica	te Percent	Acceptance	е
Analyte	Units	Result	Result	t Difference	Criteria	
Chromium	μg/L (ppb)	<25	<25	nm	0-20	
Copper	μg/L (ppb)	130	140	7	0-20	
Nickel	μg/L (ppb)	< 50	<50	nm	0-20	
Zinc	μg/L (ppb)	<50	<50	nm	0-20	

Laboratory Code: 510253-01 (Matrix Spike)

				Percent	
	Reporting	Spike	Sample	Recovery	Acceptance
Analyte	Units	Level	Result	MS	Criteria
Chromium	μg/L (ppb)	20	<25	121	50-150
Copper	μg/L (ppb)	20	130	117	50-150
Nickel	μg/L (ppb)	20	< 50	112	50-150
Zinc	μg/L (ppb)	50	<50	89	50-150

Laboratory Code: Laboratory Control Sample

	Reporting	Spike	Percer Recove		Acceptano	e
Analyte	Units	Level	LCS	-5	Criteria	
Chromium	μg/L (ppb)	20	107		70-130	· 5
Copper	μg/L (ppb)	20	103		70-130	
Nickel	μg/L (ppb)	20	103		70-130	
Zinc	μg/L (ppb)	50	99		70-130	

 $\,$ nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

October 31, 2005

DUPLICATE COPY

INVOICE # 05ACU1031-1

Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project Metro Self Monitor Grab, PO# M-107130, F&BI 510196 - Results of testing requested by Gerry Thompson for material submitted on October 20, 2005.

FEDERAL TAX ID #(b) (6)

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Seattle, WA 98119-2029 Ph. (206) 285-8282	Received by Relinquished b	any	Tans			- 4	Ph		ر			1	-e E	工			V	/ 5/C		2:37
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October 31, 2005

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on October 20, 2005 from the Metro Self Monitor Grab, PO# M-107130, F&BI 510196 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Charlene Morrow

Charlene Morrow

Chemist

Enclosures ACU1031R.DOC